CONTENTS OF VOLUME 92

No. 1, April 1993

S.C. Hempleman, T.P. Adamson and D.E. Bebout (USA.): Oxygen and avian eggshell formation at high altitude 1

H.-Q. Zhang and Y.-L. Lai (USA): Axon reflex in resiniferatoxin-induced bronchoconstriction of guinea pigs 13

R. Stoohs, A. Skrobal and C. Guilleminault (USA): Does snoring intensity predict flow limitation or respiratory effort during sleep? 27

S.C. Scott, J.D.G. Inman, R.W. Butsch and I.R. Moss (USA): Respiratory electromyographic estimates of ventilatory functions in piglets 39

P.M. Simon, D.M. Griffin, D.M. Landry and J.B. Skatrud (USA): Inhibition of respiratory activity during passive ventilation: a role for intercostal afferents? 53

E.v. Lunteren and R.J. Martin (USA): Pharyngeal dilator muscle contractile and endurance properties in neonatal piglets 65

M.L. Ryan, M.S. Hedrick, J. Pizarro and G.E. Bisgard (USA): Carotid body noradrenergic sensitivity in ventilatory acclimatization to hypoxia 77

A. Bałkowiec, S. Revenko and P. Szulczyk (Poland): Reflex carotid body chemoreceptor control of phrenic sympathetic neurons 91

E. Agostoni and L. Zocchi (Italy): Active Na^+ transport and coupled liquid outflow from hydrothoraces of various size 101

I.R. Moss, S.C. Scott and J.D.G. Inman (USA): Hypoxia, sleep and respiration in relation to opioids in developing swine 115

No. 2, May 1993

Y.-C. Kam (USA): Physiological effects of hypoxia on metabolism and growth of turtle embryos 127

M. Odeh, R. Schnall, N. Gavriely and A. Oliven (Israel): Effect of upper airway muscle contraction on supraglottic resistance and stability 139

N.E.L. Meessen, C.P.M. van der Grinten, H.M. Folgering and S.C.M. Luijendijk (Netherlands): Tonic activity in inspiratory muscles during continuous negative airway pressure 151

I.R.C. Cooke, M. Soust and P.J. Berger (Australia): Differential recruitment of inspiratory muscles in response to chemical drive 167

D. Torbati, A.K. Sherpa, S. Lahiri, A. Mokashi, K.H. Albertine and C. DiGiulio (USA, Italy): Hyperbaric oxygenation alters carotid body ultrastructure and function 183

H. Kohzuki, Y. Enoki, S. Shimizu and S. Sakata (Japan): High blood O_2 affinity and relationship of O_2 uptake and delivery in resting muscle 197

L.A. Gatto (USA): Cholinergic and adrenergic stimulation of mucociliary transport in the rat trachea 209

S. Itabashi, T. Ohrui, K. Sekizawa, Y. Matsuzaki and H. Sasaki (Japan): Peripheral airway hyperresponsiveness in the choline-deficiently fed rat 219

I. Kuwahira, N. Heisler, J. Piiper and N.C. Gonzalez (USA, Germany): Effect of chronic hypoxia on hemodynamics, organ blood flow and O_2 supply in rats 227

No. 3, June 1993

T. Masuda, Y. Andoh, S. Shimura, Y. Ohkawara, K. Hosoda, S. Hashimoto, H. Sasaki and T. Takishima (Japan): Surfactant apoprotein A secretion by human tracheobronchial epithelial cells 239

I.D. Clement and P.A. Robbins (UK): Dynamics of the ventilatory response to hypoxia in humans 253

I.D. Clement and P.A. Robbins (UK): Latency of the ventilatory chemoreflex response to hypoxia in humans 277

B. Grassi, G. Ferretti, L. Xi, M. Rieu, M. Meyer, C. Marconi and P. Cerretelli (Italy, Switzerland, France, Germany): Ventilatory response to exercise after heart and lung denervation in humans 289

S. Osborne and W.K. Milsom (Canada): Ventilation is coupled to metabolic demands during progressive hypothermia in rodents 305

F. Lofaso, G. Simonneau, F.L.R. Ladurie, J. Cerrina, A. Chapelier, F. Brenot, P. Dartevelle and P. Herve (France): Frequency of mechanical ventilation and respiratory activity after double lung transplantation 319

D.L. Turner, H. Hoppeler, C. Noti, H.-P. Gurtner, H. Gerber, F. Schena, B. Kayser and G. Ferretti (Switzerland): Limitations to $\dot{V}_{O_2max}$ in humans after blood retransfusion 329

Author Index 343

Subject Index 345

Contents of Volume 92 347